

## Manmeet Singh

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**Professional Summary:** Enthusiastic cloud and DevOps enthusiast with foundational knowledge in AWS, Terraform, and related technologies. Demonstrated ability to learn and implement cloud infrastructure and DevOps practices through personal projects. Seeking a suitable role as Cloud/DevOps Engineer to leverage my passion for technology and problem-solving skills in a professional setting.

## Skills:

- **Cloud Platform:** AWS
- **Infrastructure as Code:** Terraform
- **Containerization:** Docker
- **Version Control:** Git, GitHub
- **CI/CD:** GitHub Actions, AWS CodePipeline
- **Scripting:** Bash, Shell
- **Operating Systems:** Linux (Ubuntu, Amazon Linux)
- **Networking:** TCP/IP, DNS, DHCP, VLAN, Load Balancing

## Transferable Skills:

- **Technical Problem-Solving:** Developed strong troubleshooting skills through managing and resolving complex network and telephony issues in previous roles.
- **Project Management:** Experienced in planning, configuring, and deploying infrastructure projects, ensuring timely and efficient completion.
- **Collaboration and Communication:** Worked effectively in team environments and liaised with various stakeholders to ensure successful project outcomes.
- **Adaptability:** I quickly adapted to new technologies and environments, as evidenced by the successful deployment of both Cisco and Aruba network devices.
- **Customer Support:** Provided exceptional support to customers, ensuring high levels of satisfaction and operational excellence.

## Projects:

- **AWS Three-tier Architecture:** Deployed a highly available web application using AWS services including
  - Route 53 for DNS
  - VPC for network isolation
  - Auto Scaling Group for scalability
  - RDS for database needs.
  - Detailed design documented on [Medium](#).
- **AWS Resource Tracker Using Shell Scripting:**
  - Developed a Bash script to automate resource health checks using AWS CLI
  - Scheduled script execution with Cron Job
  - Detailed description on [Medium](#).
- **CI/CD Pipeline for Tech Portfolio Website:** Implemented a CI/CD pipeline using
  - AWS CodePipeline for continuous integration and continuous delivery
  - GitHub as code repository
  - Automating deployment to S3 with CloudFront for fast and secure content delivery
  - DNS managed by Route 53
  - SSL certification via ACM.
  - Project live at [Tech Portfolio](#).

- **To-do Application:** Built a basic to-do application using
  - HTML, CSS and JavaScript for the frontend
  - Containerised the application via Docker
  - Built the image via Dockerfile using GitHub Actions workflow and finally deploying it on AWS
  - AWS infrastructure created using Terraform
  - Detailed description on [Medium](#).
  - App can be accessed over internet on <http://tech-stuff.online> .

## Professional Experience:

### System Administrator | VGW (Oct 2023 – Current)

- Manage Fortinet suite of network equipment, including FortiGate Firewall, FortiAP, and FortiSwitch.
- Onboarding SaaS applications and integrating Single Sign-On (SSO) with Okta.
- Manage administration of Microsoft and Google Workspace.
- Managing AWS environment, including handling security alerts, spinning up new server instances, and providing support.
- Provided ongoing support for SaaS applications after onboarding, such as OpenVPN, NinjaOne, Proofpoint, and BambooHR.

### Network Administrator | Eagers Automotive (Nov 2020 – Oct 2023)

- Deployed Cisco IP telephony infrastructure and configured Cisco and Aruba network devices.
- Managed IP telephony issues and network troubleshooting, enhancing technical problem-solving skills relevant to cloud networking.
- Supported IP telephony issues nationally and troubleshot network issues related to Cisco and Aruba deployments.

### Network Engineer | Datacom (Feb 2020 – Aug 2020)

- Assisted in incident management and troubleshooting Cisco LAN issues, providing a strong foundation in network management.

### Voice Engineer | Automotive Holdings Group (Sept 2019 – Nov 2019)

- Configured Call flows and IVRs on Cisco Collaboration platforms, demonstrated attention to detail and technical precision.

### Incident Management Senior Specialist | Orange Business Services (May 2014 - Aug 2019)

- Implemented and supported Cisco Collaboration environment for services including Meeting and conferences, Unified Communications and Contact Center.
- Provided L2 support and ensured operational excellence.

## Education: Bachelor of Electronics and Communication

Amity University, India

## Certifications:

- AWS Certified Solutions Architect – Associate.
- Hashicorp Certified Terraform Associate.
- ITIL.